

PRACTICAL 6

AIM: Develop WCF service returning response in JSON type.

INPUT:

```
//MyService.svc.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;

namespace MyWCFService1
{
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "MyService1" in code,
    // svc and config file together.
    // NOTE: In order to launch WCF Test Client for testing this service, please select MyService1.svc or
    // MyService1.svc.cs at the Solution Explorer and start debugging.
    public class MyService1 : IMyService1
    {
        public string Message(string name)
        {
            return "Hello" + " " + name;
        }
        public string Prod_id(string id)
        {
            return "Your product id is" + " " + id;
        }
    }
}
```

```
//IMyService1.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.Text;

namespace MyWCFService1
{
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name "MyService1" in code,
    // svc and config file together.
    // NOTE: In order to launch WCF Test Client for testing this service, please select MyService1.svc or
    // MyService1.svc.cs at the Solution Explorer and start debugging.
    public class MyService1 : IMyService1
    {
        public string Message(string name)
        {
            return "Hello" + " " + name;
        }
        public string Prod_id(string id)
        {
            return "Your product id is" + " " + id;
        }
    }
}
```

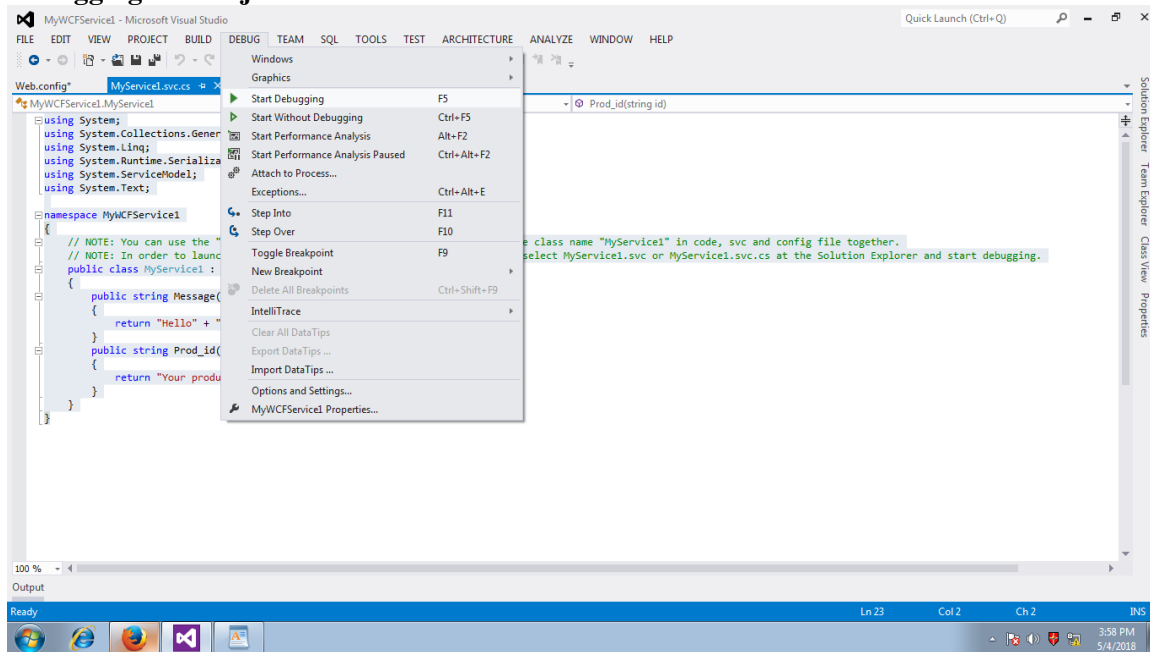
```
//Web.config
<?xml version="1.0"?>
<configuration>
  <appSettings>
    <add key="aspnet:UseTaskFriendlySynchronizationContext" value="true" />
  </appSettings>
  <system.web>
    <compilation debug="true" targetFramework="4.5" />
    <httpRuntime targetFramework="4.5"/>
  </system.web>
  <system.serviceModel>
    <behaviors>
      <serviceBehaviors>
        <behavior name="ServiceBehavior">
          <!-- To avoid disclosing metadata information, set the values below to false before deployment -->
          <serviceMetadata httpGetEnabled="true" httpsGetEnabled="true"/>
          <!-- To receive exception details in faults for debugging purposes, set the value below to true. Set to false before
deployment to avoid disclosing exception information -->
          <serviceDebug includeExceptionDetailInFaults="false"/>
        </behavior>
      </serviceBehaviors>
      <endpointBehaviors>
        <behavior name="web">
          <webHttp />
        </behavior>
      </endpointBehaviors>
    </behaviors>
    <services>
      <service name="MyWCFService1.MyService1" behaviorConfiguration="ServiceBehavior">
        <endpoint binding="webHttpBinding" contract="MyWCFService1.IMyService1" behaviorConfiguration="web">

          </endpoint>
        </service>

      </services>
      <protocolMapping>
        <add binding="basicHttpsBinding" scheme="https" />
      </protocolMapping>
      <serviceHostingEnvironment aspNetCompatibilityEnabled="true" multipleSiteBindingsEnabled="true" />
    </system.serviceModel>
    <system.webServer>
      <modules runAllManagedModulesForAllRequests="true"/>
      <!--
        To browse web app root directory during debugging, set the value below to true.
        Set to false before deployment to avoid disclosing web app folder information.
      -->
      <directoryBrowse enabled="true"/>
    </system.webServer>
  </configuration>
```

OUTPUT:

Debugging the Project:



Adding The Service:

